

SUCKING DEVICE FOR WOUND

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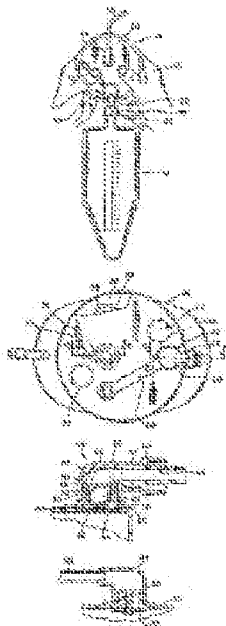
JP3105566 (B2)
EP0441560 (A2)
EP0441560 (A3)
EP0441560 (B1)
US5112323 (A)

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Abstract of JP 5115556 (A)

PURPOSE: To minimize contact of an aspirator with a fluid to make the aspirator easy to handle by providing cavity-forming end walls with a one-way check valve and an exhaust valve assembly at their first and second openings, respectively, forming at an end mounting part a bore communicated to a collecting bag from the outside, and moving the end walls toward and away from each other.

CONSTITUTION: This wound aspirator 16 has a pair of end walls 20, 22 connected to side walls, forming a cylindrical cavity 26 together with a spring 28. An inlet orifice 30 on top of the upper end wall 20 has a one-way check valve 32, and an outlet orifice 38 accepts an exhaust valve assembly 40. When the end walls 20, 22 are contracted by hand, separating forces are applied to the end walls 20, 22 by the spring 28 to expand the cavity 26, whose vacuum state draws body fluid out of the patient.; To discharge the fluid, a collecting bag 18 is also connected to the wound aspirator 16, and when the end walls 20, 22 are squeezed the valve 32 closes while a valve member 46 opens. The body fluid leads to a passage 50 leading to an end mounting part 52, goes out of the bore 53, and flows into a chamber 76 via a reflection prevention valve 78.



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